



## F6® FLAME RETARDANT

### FLEXIBLE, SEMI-RIGID SPLIT SLEEVING · WILL NOT SUPPORT COMBUSTION COMPLIES TO HL1 & HL2 ACCORDING TO THE RAILWAY STANDARD DIN EN 45545-2

Flame spread is a vital safety consideration in applications as diverse as home built aircraft wiring and safely managing sound & lighting cables at clubs, concerts and theaters. To accommodate these issues, and to provide unequalled flexibility and access, we've developed this unique sleeving product. Self-extinguishing F6F fully complies with UL standard VW-1. The addition of a flame inhibitor to our triaxially braided F6® split sleeving provides the perfect solution to a wide range of cable management needs. Easy slip over installation, complete access along the entire run, economy, durability and UL certified flame retardant make F6F ideal when the goal is to manage wires and cables safely and effectively.

#### SIZING CHART

Nominal Size	Part #	Wall Thickness	Monofilament Diameter	*Put-Ups		Available Colors	Lbs/100'
				M	L		
1/8"	F6F0.13TB	.024"	.008"	100'	400'	1	0.47
1/4"	F6F0.25TB	.025"	.010"	100'	200'	1	0.60
3/8"	F6F0.38TB	.025"	.010"	75'	150'	1	1.20
1/2"	F6F0.50TB	.025"	.010"	75'	150'	1	1.40
3/4"	F6F0.75TB	.025"	.010"	50'	100'	1	1.60
1"	F6F1.00TB	.038"	.015"	50'	100'	1	2.00
1 1/4"	F6F1.25TB	.038"	.015"	25'	75'	1	2.40
1 1/2"	F6F1.50TB	.038"	.015"	25'	75'	1	2.70
2"	F6F2.00TB	.038"	.015"	25'	50'	1	3.60

\*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool



#### FEATURES

Material	PET Polyethylene Terephthalate
Grade	F6F
Monofilament Diameter	.008"-.015"
Drawing Number	TF001F6F-WD
Cutting	Hot Knife

#### COLORS



Black w/White Tracer (TB)

#### CERTIFICATIONS





## ABRASION

Abrasion Resistance	<b>HIGH</b>
Abrasion Test Machine	Taber 5150
Abrasion Test Wheel	Calibrase H-18
Abrasion Test Load	500g
Room Temperature	70°F
Humidity	63%
Slight Scuffing Visible	500 Test Cycles
Visible Wear & Five Broken Filaments	1,200 Test Cycles
Material Destroyed	1,600 Test Cycles
Pre-Test Weight	3,469.8 mg
Post-Test Weight	3,114.0 mg
Test End Loss Of Mass Point Of Destruction	355.8 mg

## PHYSICAL PROPERTIES

Monofilament Polyester	.008"-.015"
Flammability Rating ( <i>FMVSS-302 Approved</i> )	VW-1
Recommended Cutting	Hot Knife
Colors	1
Wall Thickness	.024"-.038"
Tensile Strength (Yarn) ( <i>ASTM D-2256 Lbs</i> )	4-6.5
Specific Gravity ( <i>ASTM D-792</i> )	1.38
Moisture Absorption % ( <i>ASTM D-570</i> )	.1-2
Hard Vacuum Data ( <i>ASTM E-595 at 10-5 torr</i> )	
TML	.19
CVCM	.04
WVR ( <i>ASTM E-662</i> )	.06
Outgassing	Medium
Oxygen Index ( <i>ASTM D-2863</i> )	31

## FLAMMABILITY

Rating	VW-1
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## OPERATING TEMPERATURES

Melt Point ( <i>ASTM D-2117</i> )	446°F / 230°C
Maximum Continuous ( <i>Mil-I-23053</i> )	257°F / 125°C
Minimum Continuous ( <i>Mil-I-23053</i> )	-94°F / -70°C

## CHEMICAL RESISTANCE

1=No Effect 2=Little Effect 3=Affected 4=More Affected 5=Severely Affected

Aromatic Solvents	2
Aliphatic Solvents	1
Chlorinated Solvents	3
Weak Bases	1
Salts	1
Strong Bases	2
Salt Water ( <i>O-S-1926</i> )	1
Hydraulic Fluid ( <i>MIL-H-5606</i> )	1
Lube Oil ( <i>MIL-L-7808</i> )	1
De-Icing Fluid ( <i>MIL-A-8243</i> )	1
Strong Acids	3
Strong Oxidants	2
Esters/Ketones	1
UV Light	1
Petroleum	1
Fungus ( <i>ASTM G-21</i> )	1
Halogen Free	Yes
RoHS	Yes
SVHC	None